

Wyatt, Jean

From: Wyatt, Jean
Sent: Monday, April 20, 2015 4:08 PM
To: Wyatt, Jean
Subject: FW: 2015 Proposed Sampling @ Illinois Gulch

print

Thank you, Jean

Jean Wyatt
wyatt.jean@epa.gov
303-312-6258; 303-808-2045 (cell)
Site Assessment/Project Manager
Assessment and Revitalization Program
US Environmental Protection Agency
1595 Wynkoop Street
Denver, CO 80202

From: Reid, Scott [<mailto:scottr@townofbreckenridge.com>]
Sent: Monday, April 20, 2015 3:59 PM
To: Wyatt, Jean; BrianL
Subject: RE: 2015 Proposed Sampling @ Illinois Gulch

Sounds great!
Scott

From: Wyatt, Jean [<mailto:Wyatt.Jean@epa.gov>]
Sent: Monday, April 20, 2015 3:45 PM
To: Reid, Scott; BrianL
Subject: RE: 2015 Proposed Sampling @ Illinois Gulch

Hi Scott,
Thanks for the info last week. Just to be clear the STIC is a small device and would actually be hammered into the creek bed just under the bridge/overpass. Sounds good? Thank you, Jean

Jean Wyatt
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From: Reid, Scott [<mailto:scottr@townofbreckenridge.com>]
Sent: Wednesday, April 15, 2015 4:56 PM

To: Wyatt, Jean; BrianL
Subject: RE: 2015 Proposed Sampling @ Illinois Gulch

Jean-
Depending on exactly where it is installed, it appears to me that it could be on private open space, County public open space, or right of way. If you are talking on the bridge structure, then I think it is safe to assume it is in the town right of way. Does that help? Thanks,
Scott

From: Wyatt, Jean [<mailto:Wyatt.Jean@epa.gov>]
Sent: Wednesday, April 15, 2015 10:39 AM
To: Reid, Scott; BrianL
Subject: RE: 2015 Proposed Sampling @ Illinois Gulch

Hi Scott,
Just wondering, if we installed the STIC 6 at the intersection of Broken Lance Drive and the Blue (@ bridge or overpass? Adjacent to Warrior Mark Sub) – is that town right of way, so thus your property? Please let me know. I have attached the map again for your quick reference. Thank you,
Jean

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From: Reid, Scott [<mailto:scottr@townofbreckenridge.com>]
Sent: Tuesday, April 14, 2015 8:37 AM
To: Wyatt, Jean; BrianL
Cc: Lloyd, Brian A -FS; allen.sorenson@state.co.us
Subject: RE: 2015 Proposed Sampling @ Illinois Gulch

Thanks for the update, Jean. Brian provided input on how best to determine land ownership of the various testing sites. Please contact Brian or me with further questions about that effort. DOWNSTIC5 is definitely on Town property and you are welcome to install a device there. I would be interested in being present for the installation, mostly just to learn about what it looks like, where it is located, etc. Please let me know if you have additional questions or concerns about this. Thanks again for your email.
Scott

From: Wyatt, Jean [<mailto:Wyatt.Jean@epa.gov>]
Sent: Thursday, April 09, 2015 3:04 PM
To: Reid, Scott; BrianL
Cc: Lloyd, Brian A -FS; allen.sorenson@state.co.us
Subject: 2015 Proposed Sampling @ Illinois Gulch

Brian & Scott, I hope you both had a great winter! Please find information below regarding our proposed plan for monitoring the Illinois Gulch site in 2015:

As you know EPA along with our partners at the Forest Service, CDPHE, DRMS and TU, conducted two rounds of water sampling last year as well as soil sampling to assess conditions within the project area. With regards to further assessment of mine impacts in the area, we have an agreement with Thomas Chapin, US Geological Survey, regarding a robust, low-cost, sample instrument that provides long-duration, high-resolution monitoring of both relative conductivity and temperature, called a STIC (Stream Temperature, Intermittency, and Conductivity). A second device, a mini-sipper, is a new in-situ water sampler for high-resolution, long-duration acid mine drainage monitoring. We have attached a publication regarding the STIC's and mini-sippers for your reference. You may be familiar with the mini-sipper as a couple of these devices were installed at the Pennsylvania Mine project over the years. Please find the pdf map showing approximate locations of the different devices - We would like to obtain your input as to land ownership for several of the locations as it is unclear from our map whether the City or County own property at any of these locations. We are specifically wondering about the following sites:

Illinois Gulch DOWNSTIC 4
Illinois Gulch DOWNSTIC 5
Illinois Gulch UPSTIC3
Blue River 2015 STIC6

We appreciate any information you can share with regards to land owners of the above sampling sites - We are relatively certain the other two locations (PW Adit sites) are on Transamerica property. Also, if any of these sites are owned by the City or County we request your consent to proceed with installing STIC's on such property. The devices would be installed tentatively the afternoon of April 28, 2015, and remain in place until late fall 2015, for the purpose of gathering additional surface water data. Please email me with any details you can provide and let me know if you would like to be present during the installation.

Thanks for your cooperation in this more cost effective approach to monitor conditions within the Illinois Gulch project area, Jean

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United States
Environmental Protection
Agency



COLORADO
Hazardous Materials
& Waste Management Division
Department of Public Health & Environment



COLORADO
Water Quality Control Division
Department of Public Health & Environment



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

You are invited to:
Brooks Hill Drive Soil Sampling Results Discussion
And Illinois Gulch Project Information Session
3:30-6pm on May 5, 2016

Breckenridge Town Council Chambers
Lower Level of Town Hall at 150 Ski Hill Road
Breckenridge

Session 1: Open to Brooks Hill Drive Residents, 3:30-4:30pm
to discuss:

- 1. Residential soil sampling Fall 2015:**
Purpose, Method, Analysis, Results
- 2. Upcoming Sampling Plan: Phase 2 sampling scheduled for June 16 for all cooperating residences**

Session 2: Open to general public, 5-6pm to discuss:

- 1. Illinois Gulch Multi-Agency Collaboration Project**
- 2. Puzzle Willard Mine and Investigation**
- 3. Environmental Conditions in Illinois Gulch**
- 4. Upcoming Investigation Activities and Schedule**

For more information contact:

Jean Wyatt
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Wyatt.jean@epa.gov

Dec Mtg 8/27

Notif

5/5 → Logistics & compo'd'g

meet @
2:00

Agenda

Prompt

Plans

train Plans

Andy



COLORADO

Hazardous Materials
& Waste Management Division

Department of Public Health & Environment



COLORADO

Division of Reclamation,
Mining and Safety

Department of Natural Resources



COLORADO

Water Quality Control Division

Department of Public Health & Environment



**Tracer Study
will be conducted in Illinois Gulch above the
Stephen C. West Ice Arena
June 20 through the next 7-10 days**

Non-hazardous and non-toxic red and green fluorescent dyes (rhodamine WT and sodium fluorescein) will be injected into historic underground mine workings to trace the flow of ground water into and through the mines. Dye will help partners understand the relationship of water flowing through the mines to the surface water in Illinois Gulch and its tributaries. It is likely that the tracer study dye will cause coloring in the surface streams temporarily and to reach the Blue River in and through Breckenridge.

Dye coloring will not impact drinking water sources, fishing and/or other water activities during tracer study.

For more information contact:

Katherine Jenkins
EPA Community Involvement Coordinator
800-227-8917 ext. 312-6351 (toll free)
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Jeannine Natterman
State Public Involvement Coordinator
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